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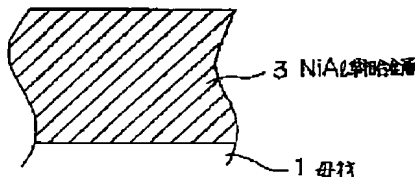
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**(54) CORROSION RESISTANT AND OXIDATION
 RESISTANT COATING FILM**

(57) Abstract:

PROBLEM TO BE SOLVED: To materialize a coating film excellent in corrosion resistance and oxidation resistance and capable of forming inexpensively.

SOLUTION: By forming an NiAl single phase alloy layer 3 to form an Al_2O_3 film on the surface of a base material 1, a coating film having corrosion resistance and oxidation resistance more excellent than those of a coating film composed of the conventional MCrAlY metallic layer can be obtd. By forming the NiAl single phase alloy layer 3 on the surface of the base material 1 via an MCrAlY metallic layer, the adhesion with the base material 1 and uniformity thereof furthermore increase, and moreover, the one of quality equal to that of the conventional coating film formed by providing the surface of an MCrAlY metallic layer with an Al pack cementation treated layer can more inexpensively be formed.



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